

Blizzard 6550 Projector Enclosures



*It may be blowing snow,
snug and secure in its Blizzard™*

*but your projector is
enclosure. And Blizzard is*

*just as comfortable in the tropics, the desert, at sea - in fact anywhere you
might need to use a digital projector exposed to the weather.*

Blizzard 6550 Series Projector Enclosures are designed specifically for midrange DLP Projectors, and are available with Tempest Lighting's patented Digital Enclosure Control (DEC™) technology to maintain optimum projector and lamp life in the harshest conditions. Blizzard sets the standard for elemental protection, low maintenance, and long equipment life.

Blizzard is available in two sizes, accommodating either small or medium-sized projectors. The larger 6550 model features the DEC™ System, with intelligent control of temperature, airflow and humidity, maintaining optimum operating temperature in all climate conditions, and completely eliminating condensation. All Blizzard enclosures feature easy access for relamping, and tempered, optical glass projection windows.

The Blizzard 6500 Series is a complete protection system that will reduce cost and maintenance and extend lamp and projector life.

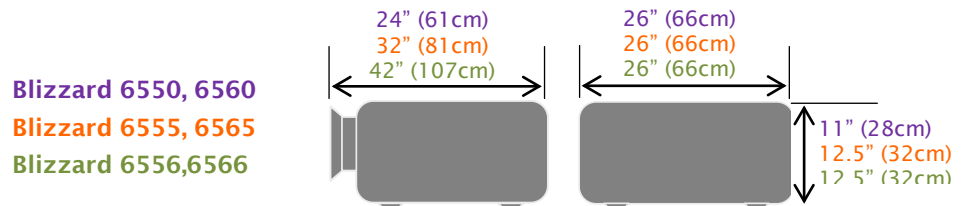


Model #	Max Lamp	DEC/FAN	Voltage	Max Projector Length *	Projector Width	Projector Height
6550.IN	1,300W	DEC	230	24" (61cm)	26" (66cm)	11" (28cm)
6550.US	1,300W	DEC	120	24" (61cm)	26" (66cm)	11" (28cm)
6560.IN	1,300W	Fan	230	24" (61cm)	26" (66cm)	11" (28cm)
6560.US	1,300W	Fan	120	24" (61cm)	26" (66cm)	11" (28cm)
6555.IN	1,300W	DEC	230	32" (81cm)	26" (66cm)	12.5" (32cm)
6555.US	1,300W	DEC	120	32" (81cm)	26" (66cm)	12.5" (32cm)
6565.IN	1,300W	Fan	230	32" (81cm)	26" (66cm)	12.5" (32cm)
6565.US	1,300W	Fan	120	32" (81cm)	26" (66cm)	12.5" (32cm)
6556.IN	1,300W	DEC	230	42" (107cm)	26" (66cm)	12.5" (32cm)
6556.US	1,300W	DEC	120	42" (107cm)	26" (66cm)	12.5" (32cm)
6566.IN	1,300W	Fan	230	42" (107cm)	26" (66cm)	12.5" (32cm)
6566.US	1,300W	Fan	120	42" (107cm)	26" (66cm)	12.5" (32cm)

* Including lens

- C Suffix adds one pair of projector Clamps to any Blizzard Model
- P Suffix adds Periscope Fan Mount and Acoustic padding to any Blizzard Model

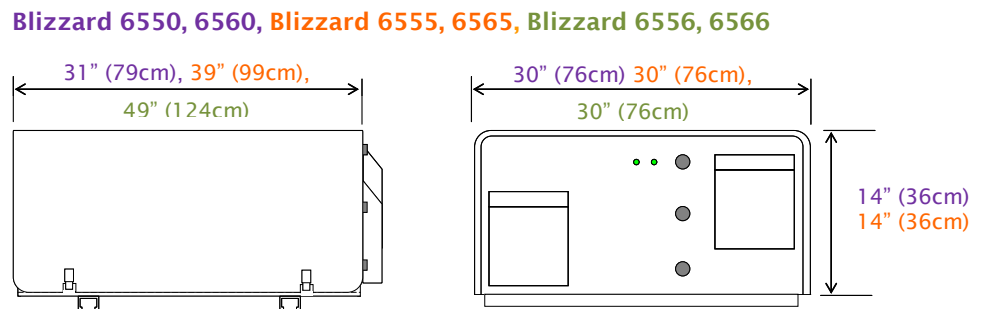
Max Projector Dimensions



*Need something smaller?
Check out Baby Blizzard!*

*Bigger? Our Cyclone
enclosures take you right
up to 30.000 ANSI*

Enclosure Dimensions



Weight

6550 - 77lb (35kg)	6560 - 67lb (30kg)
6555 - 97lb (44kg)	6565 - 87lb (40kg)
6556 - 106lb (48kg)	6566 - 96lb (47kg)

Access

The enclosure cover is removable for installation and maintenance, providing excellent access. The projector is held firmly in place with one or two adjustable cinch straps.

Tempered optical glass window is extra-wide, for projectors with lenses offset from center

Cinch Straps (1 or 2 as needed), locate in holes each side of the projector platform



Stainless steel Unistrut mounts take standard Unistrut accessories for easy installation

Digital Enclosure Control unit

Projector Clamp

For heavier projectors, a mechanical projector clamp is available to secure the projector in place. This is recommended for larger, heavier (and more expensive!) projectors when the enclosure is mounted base-up, under a ceiling or overhang. Add -C to the model # when ordering.

Enclosure

Fabricated from high-grade aluminum, with stainless steel hardware and weather-sealed tempered optical glass projection window.

Finish

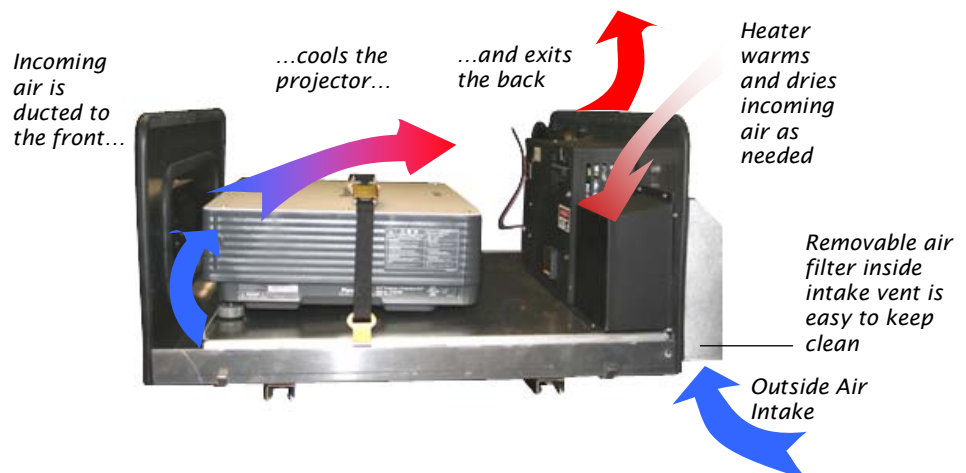
Epoxy dry powder coat. Custom paint colors available to special order. Internal aluminum parts are chemically treated to prevent corrosion.

Climate Control

Patented Digital Enclosure Control (DEC) System, microprocessor controller and display controls humidity and dewpoint (Model 6550 only).

Cooling

Filtered fresh air cooled using dual-speed DC fan, fused and polarity protected. Washable foam intake filter is removable for routine maintenance without opening the enclosure.



Heating

Proportionally controlled 750 watt heater coil dries intake air and provides up to 30°C temperature rise above ambient (Model 6550 only).

Protection

Projector over-temperature DPDT relay (Model 6550 only).

Diagnostics

Self-diagnostics of microprocessor inputs/outputs (Model 6550 only).

Wiring Access

Wiring access cable entry points provided for projector power, enclosure power, and projector signal.

Tempest recommends use of ½" ID (International 20mm OD) conduit or flexible conduit to supply power and data to the Blizzard enclosure. Electrical and data wiring must be kept separate and must be installed by a qualified electrician, in compliance with local electrical standards.

Electrical

Feeder terminals hardwired on site

Enclosure – hardwired on site, 100-240VAC, 50/60Hz, 5amps (max)

Projector power connection:

6550.IN	16amp 250V 2P + E CE 17	6560.IN	Terminals provided for projector
6555.IN	receptacle (blue)	6560.US	power (installer may provide in-
6566.IN		6565.IN	line disconnect plug/socket if so
		6565.US	desired)
6550.US	NEMA L6-20 receptacle	6566.IN	
6555.US		6566.US	
6556.US			

Mounting

Two parallel 1 5/8" x 13/16" Unistrut. Mount with suitable standard Unistrut hardware, or order 4 sets per enclosure of either of the following Tempest mounting kits. Tempest kits are made from stainless steel and aluminum hardware.



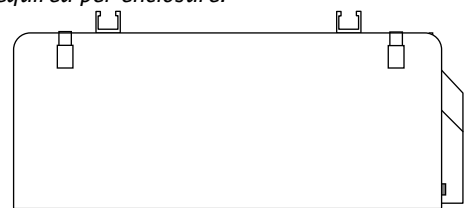
4900.MB Stainless Steel Unistrut channel nut, bolt and washer. Four required per enclosure.



4900.MC Stainless Steel Unistrut channel nut, bolt and pipe clamp, for pipes 1.5" (38mm) to 2" (50mm) OD. Four required per enclosure.

Mounting

Mount Blizzard base-down on a deck or superstructure...



...or suspend from a truss or overhang - the air vents flip to prevent water ingress

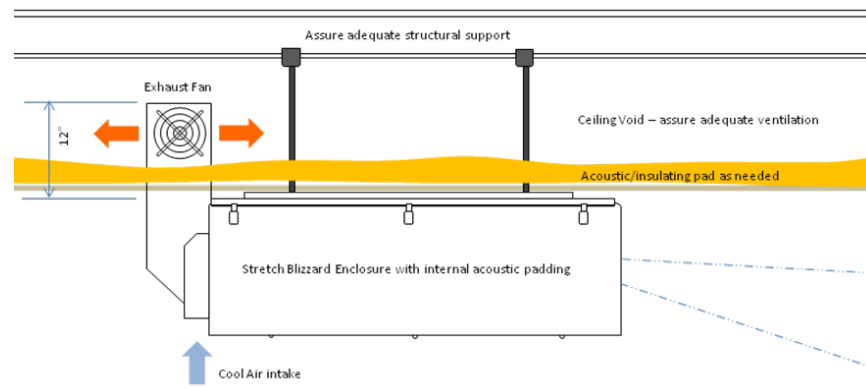
Shipping (carton packed)

Blizzard 6550	36"x36"x21"(h), 82lb	91 x 91 x 53cm, 37kg
Blizzard 6560	36"x36"x21"(h), 72lb	91 x 91 x 53cm, 33kg
Blizzard 6555	48"x36"x21"(h), 102lb	122 x 91 x 53cm, 46kg
Blizzard 6565	48"x36"x21"(h), 92lb	122 x 91 x 53cm, 42kg
Blizzard 6556	60"x36"x21"(h), 102lb	152 x 91 x 53cm, 46kg
Blizzard 6566	60"x36"x21"(h), 92lb	152 x 91 x 53cm, 42kg

Schedule B Export Code: 8536.30.0000

Periscope Accessory

For sound-muffling applications in lecture halls and classrooms, specify the Blizzard Periscope kit (Just add a -P suffix to the model number). The exhaust fan is now inside the ceiling void, and may be additionally muffled using acoustic insulation.



When the periscope option is specified, the Blizzard is fitted with internal acoustic padding to reduce or eliminate projector fan noise.

Specification (DEC Versions)

Unit shall be a Tempest Blizzard projector enclosure catalog number 65___. The housing and all exterior hardware shall be constructed from stainless steel. Further, the unit shall possess filtered forced air ventilation in combination with heater and controlled by a microprocessor with a temperature display. Unit shall be ETL listed to U.L. standard 508 for wet locations and be a NEMA type 3R. The unit shall have above ground connection ports, and compression latches with secure padlock rings, making it highly theft resistant. Unit shall provide a power cutoff to projector in case of high temperature inside enclosure. Units shall control cool-down rate of projector by use of heater. Unit shall have a projection window with optically clear safety glass. The enclosure shall be identified as the Blizzard Enclosure manufactured by Tempest Lighting, Inc., of North Hollywood, California, USA.

Ordering Information

The following information must be provided with each order:

- Blizzard Model Number
- Projector make, model number and lamp power
- Custom color if required (standard is titanium finish powder coat)
- Supply voltage
- UL (North America) or CE (International) version

This product is protected by US Patent Number 6,352,358.

In the interest of continuous product improvement, specifications are subject to change without notice

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